

FORM PTO-1390 (REV 12-2004)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 4240-123	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 1.2em; font-family: monospace;">10/541261</div>	
INTERNATIONAL APPLICATION NO. PCT/KR2003/002183		INTERNATIONAL FILING DATE 18 October 2003		PRIORITY DATE CLAIMED 4 January 2003	
TITLE OF INVENTION A PROTEIN CHIP FOR ANALYZING INTERACTION BETWEEN PROTEIN AND SUBSTRATE PEPTIDE THEREOF					
APPLICANT(S) FOR DO/EO/US CHANG, et al.					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau), as published. b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Unsigned) 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 					
Items 11 to 20 below concern document(s) or information included:					
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: 					

U.S. APPLICATION NO. 10/541261 <small>(If known, see 37 CFR 1.5)</small>		INTERNATIONAL APPLICATION NO. PCT/KR2004/000189		ATTORNEY'S DOCKET NUMBER 4240-121	
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21. The following fees are submitted:

<input checked="" type="checkbox"/>	a) Basic national fee	\$300.00		\$300.00	
<input checked="" type="checkbox"/>	b) Examination fee	\$200.00		\$200.00	
<input checked="" type="checkbox"/>	c) Search fee	\$500.00		\$500.00	
				\$1000.00	
TOTAL OF ABOVE CALCULATIONS =		\$1000.00			

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
30 - 100	0/50 =		x 250.00		\$0.00

Surcharge of **\$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	10 - 20 =	0	X \$50.00		\$0.00
Independent claims	2 - 3 =	0	X \$200.00		\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00		0
TOTAL OF ABOVE CALCULATIONS =					1000

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

SUBTOTAL = \$500.00

Processing fee of **\$130.00** for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

TOTAL NATIONAL FEE = \$ 500.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **\$40.00** per property

TOTAL FEES ENCLOSED = \$500.00

	Amount to be:	
	refunded	\$
	charged	\$

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 08-3284 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any deficiencies in filing fees which may be required, or credit any overpayment to Deposit Account No. 08-3284. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Steven J. Hultquist
INTELLECTUAL PROPERTY/
TECHNOLOGY LAW
P.O. BOX 14329
Research Triangle Park, NC 27709

SIGNATURE

Steven J. Hultquist
NAME

28021
REGISTRATION NUMBER

JC14 Rec'd PCT/PTO 01 JUL 2005


In re United States Patent Application of:)	Docket No.:	4240-123	
))))	
Applicant(s):	LEE, Sang Yup, et al.)	Examiner:	Not Yet Assigned
)))))
Application No.:	New U.S. National Stage Application of PCT International Application No. PCT/KR2003/002183)	Art Unit:	Not Yet Assigned
)))))
Int'l Filing Date:	18 October 2003)	Customer No.:	23448
)))))
Priority Date:	4 January 2003 (Korean Patent Application No. 10-2003-0000464))))
)))))
Title:	A PROTEIN CHIP FOR ANALYZING INTERACTION BETWEEN PROTEIN AND SUBSTRATE PEPTIDE THEREOF)))
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Sir:

Submitted herewith for filing under the provisions of 37 CFR §1.53 and 35 U.S.C. §371 is the above-referenced patent application, based on International Patent Application No. PCT/KR2003/002183 and claiming priority of Korean Patent Application No. 10-2003-0000464. A copy of International Published Application No. WO 2004/061453 A1 is included. Also included is a Preliminary Amendment, unsigned Declaration and Power of Attorney¹, a Sequence Listing, Statement of Identity, computer readable disk containing relevant sequences, an Information Disclosure Statement, a Credit Card Authorization Form authorizing the \$500.00 filing fee, and 35 U.S.C. §371 transmittal forms.

Please direct correspondence relating to this application to Steven J. Hultquist, Intellectual Property Technology Law, P.O. Box 14329, Research Triangle Park, NC 27709, and direct telephonic communications relating to this application to Steven J. Hultquist at (919) 419-9350.

Respectfully submitted,



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Attorney for Applicants

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¹ A fully executed Declaration and Power of Attorney will be submitted in due course, following notification of the application number for the application.